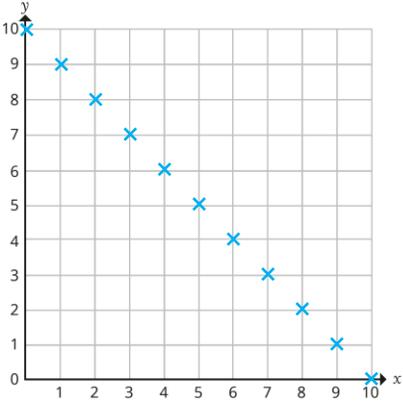


Question	Answer																												
1	<p>a) multiple possible answers, e.g.</p> <table border="1"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td></td> <td>11</td> <td>10</td> <td>9</td> <td>8</td> <td>7</td> <td>6</td> </tr> </table> <p>b) multiple possible answers, e.g.</p> <table border="1"> <tr> <td><math>x</math></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td><math>y</math></td> <td>11</td> <td>10</td> <td>9</td> <td>8</td> <td>7</td> <td>6</td> </tr> </table> <p>c) The answers to the equations are the same, but the representations are different and can be assigned different values.</p>		1	2	3	4	5	6		11	10	9	8	7	6	$x$	1	2	3	4	5	6	$y$	11	10	9	8	7	6
	1	2	3	4	5	6																							
	11	10	9	8	7	6																							
$x$	1	2	3	4	5	6																							
$y$	11	10	9	8	7	6																							
2	<p>a) multiple possible answers, e.g.</p> <table border="1"> <tr> <td></td> <td>10p</td> <td>20p</td> <td>30p</td> <td>40p</td> <td>25p</td> <td>49p</td> </tr> <tr> <td></td> <td>80p</td> <td>70p</td> <td>60p</td> <td>50p</td> <td>65p</td> <td>41p</td> </tr> </table> <p>Children may have given different answers.</p> <p>b) No The cookie would not cost anything.</p>		10p	20p	30p	40p	25p	49p		80p	70p	60p	50p	65p	41p														
	10p	20p	30p	40p	25p	49p																							
	80p	70p	60p	50p	65p	41p																							
3	<p>multiple possible answers, e.g.</p> <table border="1"> <tr> <td><math>a</math></td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> <tr> <td><math>b</math></td> <td>8</td> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> <td>1</td> </tr> <tr> <td><math>a + b</math></td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> </tr> </table> <p>As <math>a</math> increases, <math>b</math> decreases.</p>	$a$	0	1	2	3	4	5	6	7	$b$	8	7	6	5	4	3	2	1	$a + b$	8	8	8	8	8	8	8	8	
$a$	0	1	2	3	4	5	6	7																					
$b$	8	7	6	5	4	3	2	1																					
$a + b$	8	8	8	8	8	8	8	8																					
4	<p>multiple possible answers, e.g.</p> <table border="1"> <tr> <td><math>c</math></td> <td>19</td> <td>18</td> <td>17</td> <td>16</td> <td>15</td> <td>14</td> <td>10</td> <td>6</td> </tr> <tr> <td><math>d</math></td> <td>15</td> <td>14</td> <td>13</td> <td>12</td> <td>11</td> <td>10</td> <td>6</td> <td>2</td> </tr> <tr> <td><math>c - d</math></td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>	$c$	19	18	17	16	15	14	10	6	$d$	15	14	13	12	11	10	6	2	$c - d$	4	4	4	4	4	4	4	4	
$c$	19	18	17	16	15	14	10	6																					
$d$	15	14	13	12	11	10	6	2																					
$c - d$	4	4	4	4	4	4	4	4																					
5	<p><math>a = 1, b = 24</math>  <math>a = 2, b = 12</math>  <math>a = 3, b = 8</math>  <math>a = 4, b = 6</math>  <math>a = 6, b = 4</math>  <math>a = 8, b = 3</math>  <math>a = 12, b = 2</math>  <math>a = 24, b = 1</math></p>																												
6	<p>multiple possible answers, e.g.  <math>A = 100 \text{ g}</math>      <math>B = 300 \text{ g}</math></p>																												

Y6 – Spring – Block 2 – Step 9 – Find pairs of values Answers (continued)

Question	Answer																						
7	$g = 2, h = 9$ $g = 4, h = 8$ $g = 6, h = 7$ $g = 8, h = 6$																						
8	 <p>The scatter plot shows a linear relationship between x and y. The data points are as follows:</p> <table border="1" data-bbox="211 383 614 787"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>1</td><td>9</td></tr> <tr><td>2</td><td>8</td></tr> <tr><td>3</td><td>7</td></tr> <tr><td>4</td><td>6</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>6</td><td>4</td></tr> <tr><td>7</td><td>3</td></tr> <tr><td>8</td><td>2</td></tr> <tr><td>9</td><td>1</td></tr> <tr><td>10</td><td>0</td></tr> </tbody> </table>	x	y	1	9	2	8	3	7	4	6	5	5	6	4	7	3	8	2	9	1	10	0
x	y																						
1	9																						
2	8																						
3	7																						
4	6																						
5	5																						
6	4																						
7	3																						
8	2																						
9	1																						
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